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Other Sodium Channel Modulators

Description	Biochem/physiol Actions
Ambroxol hydrochloride	Metabolite of bromhexine. A Nav1.8-preferring **sodium c**
Anemone Toxin II >95%, lyophilized powder	Originally isolated from *Anem* Voltage-gated **sodium chann**
APE 1-2 >95%, lyophilized powder	Cardiotoxin. Less potent than
APE 2-1 >98%, lyophilized powder	Cardiotoxin that modulates the channels in neuroblastoma ce
ATX II recombinant, from *Escherichia coli* ⩾98%, lyophilized powder	rATX II is a 47 amino acid pep *Anemonia sulcata* sea anemo neurotoxin, which modulates v gating kinetics by delaying its action potential of excitable m as a powerful activator of TTX channels in various excitable t concentration range of 10-10C

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Benzamil hydrochloride hydrate ≥98% (HPLC)	Selective and potent blocker c
Benzocaine	
Benzoylheteratisine hydrochloride ≥97% (TLC), solid	A Na^+ **channel** blocker; poten
BIA 2-093 ≥98% (HPLC), solid	Blocker of voltage-gated **sodi** excitatory amino acid (glutama
Brevetoxin 2	Potent toxins responsible for " compounds disrupt neurotrans channels.
Brevetoxin 9	Potent toxins responsible for " compounds disrupt neurotrans channels.
Bupivacaine hydrochloride ≥ 99%	**Sodium channel** blocker, loca
Carbamazepine powder	Anticonvulsant; ligand for the modulatory site. **Sodium channel inhibitor**
Carbamazepine meets USP testing specifications	Anticonvulsant; ligand for the modulatory site. **Sodium channel inhibitor**
Conotoxin GI ≥97% (HPLC)	Postsynaptic **inhibitor** at the r
3′,4′-Dichlorobenzamil hydrochloride >98% (HPLC)	Inhibits Na^+/Ca^{2+} exchanger, I reticulum Ca^{2+} release channe
Dihydroouabain	Cardiac glycoside; an **inhibitc**
Disopyramide	Class IA antiarrhythmic; **sodiu**
Disopyramide phosphate salt	Class IA antiarrhythmic; **sodiu**
Encainide hydrochloride ≥98% (HPLC), powder	Encainide hydrochloride is a **s** Ic antiarrhythmic. Encainide is benzanilide derivative.
Flecainide acetate salt	Class IC antiarrhythmic agent;
Grayanotoxin III Hemi(ethyl acetate) adduct ≥90% (GC)	**Sodium channel** modulator
Halofantrine hydrochloride ≥ 98% (HPLC), solid	Halofantrine is a blocker of de via the inhibition of hERG **cha**

KR-32568 ⩾98% (HPLC), solid	**Sodium**/hydrogen exchanger- μM; inhibited NHE-1-mediatec anesthetized rats, reduced infa 43% (at 0.1 mg/kg) and 24% (ventricular premature beats fr 115 (at 1.0 mg/kg); reduced ve 17 to 8 (0.1 mg/kg) and 0 (1.0 and treatment of myocardial is
Lappaconitine hydrobromide 96%, solid	Selective blocker of the TTX-s influence on the activation thre
Lidocaine powder	Na^+ **channel** blocker; class IB absorbed after parenteral adm
Lidocaine Sigma Reference Standard	Na^+ **channel** blocker; class IB absorbed after parenteral adm
Lidocaine hydrochloride monohydrate solid	Na^+ **channel** blocker; class IB absorbed after parenteral adm
Lidocaine N-ethyl chloride	Lidocaine N-ethyl chloride is a **sodium channel** blocker.
Lidocaine N-methyl chloride	Intracellular voltage-gated **soc**
R(−)-Me5 hydriodide solid	Potent **sodium channel** antag
Mepivacaine hydrochloride 98.0-102.0%, meets USP testing specifications	Local anesthetic. Reversibly b as well as the steady-state K^+ pore (TASK) and Kv1.5, potas
Metolazone ⩾98% (HPLC), solid	**Inhibitor** of thiazide-sensitive antihypertensive; moderate "lc
Mexiletine hydrochloride >98% (GC), powder	Class IB antiarrhythmic; **sodiu**
Ouabain octahydrate ⩾95% (HPLC), powder	Cardiac glycoside, inhibits Na(transcription of MDR (increase and decrease CFTR, cyctic fib activated Cl- **channel**) genes, Ouabain resistance is associa ATPase isoforms with low binc
α-Pompilidotoxin >98%	Voltage-gated **sodium chann**
β-Pompilidotoxin ⩾98%	Voltage-gated **sodium chann**
Procainamide hydrochloride	Inhibits DNA methyltransferas regulation of gene expression. IA anti-arrhythmic.

Procaine hydrochloride ⩾97%	Na^+ **channel** blocker
Propafenone hydrochloride	Blocks hKv1.5 and ATP-sensi antiarrhythmic agent that is al receptors.
Pyrethrum extract ~25% (pyrethrine I)	
Quinidine anhydrous	Class IA antiarrhythmic; potas
Quinidine sulfate salt dihydrate	Class IA antiarrhythmic; potas
Sodium/Potassium **Channel** Modulators Ligand Set ligand set for potassium/**sodium channel** modulators, exchangers, cotransporters, ionophores and ion pumps	
Tetrodotoxin powder	Reversible, selective blocker c propagation of impulses in exc characterize **sodium** channels study the role of **sodium** chan disease.
Tetrodotoxin ~99% (HPLC), powder	Reversible, selective blocker c propagation of impulses in exc characterize **sodium** channels study the role of **sodium** chan disease.
Tocainide hydrochloride ⩾98% (HPLC), solid	Tocainide hydrochloride is a **s** antiarrhythmic.
Tolperisone hydrochloride ⩾ 98% (HPLC), solid	Tolperisone is an ion **channel** muscle relaxant.
Triamterene ⩾99%	Weak diuretic with potassium reuptake in the kidneys.
UCL 2077 ⩾98% (HPLC), solid	UCL 2077 is a slow afterhyper blocker.
Veratridine ⩾90% (HPLC), powder	Opens voltage-dependent Na inactivation. This, in turn, oper channels, thus increasing intra inducing neurotransmitter rele depolarizes excitable tissue; u **sodium** permeability. Veratrid *in vitro*.